

Pt. 178, Subpt. C, App. A

49 CFR Ch. I (10–1–13 Edition)

(j) *Marking.* (1) Each MEGC must be equipped with a corrosion resistant metal plate permanently attached to the MEGC in a conspicuous place readily accessible for inspection. The pressure receptacles must be marked according to this section. Affixing the metal plate to a pressure receptacle is prohibited. At a minimum, the following information must be marked on the plate by stamping or by any other equivalent method:

Country of manufacture

UN



Approval Country

Approval Number

Alternate Arrangements (see § 178.75(b))

MEGC Manufacturer's name or mark

MEGC's serial number

Approval agency (Authorized body for the design approval)

Year of manufacture

Test pressure: _____ bar gauge

Design temperature range _____ °C to _____ °C

Number of pressure receptacles _____

Total water capacity _____ liters

Initial pressure test date and identification of the Approval Agency

Date and type of most recent periodic tests

Year _____ Month _____ Type _____

(e.g. 2004-05, AE/UE, where "AE" represents acoustic emission and "UE" represents ultrasonic examination)

Stamp of the approval agency who performed or witnessed the most recent test

(2) The following information must be marked on a metal plate firmly secured to the MEGC:

Name of the operator

Maximum permissible load mass _____ kg

Working pressure at 15 °C: _____ bar gauge

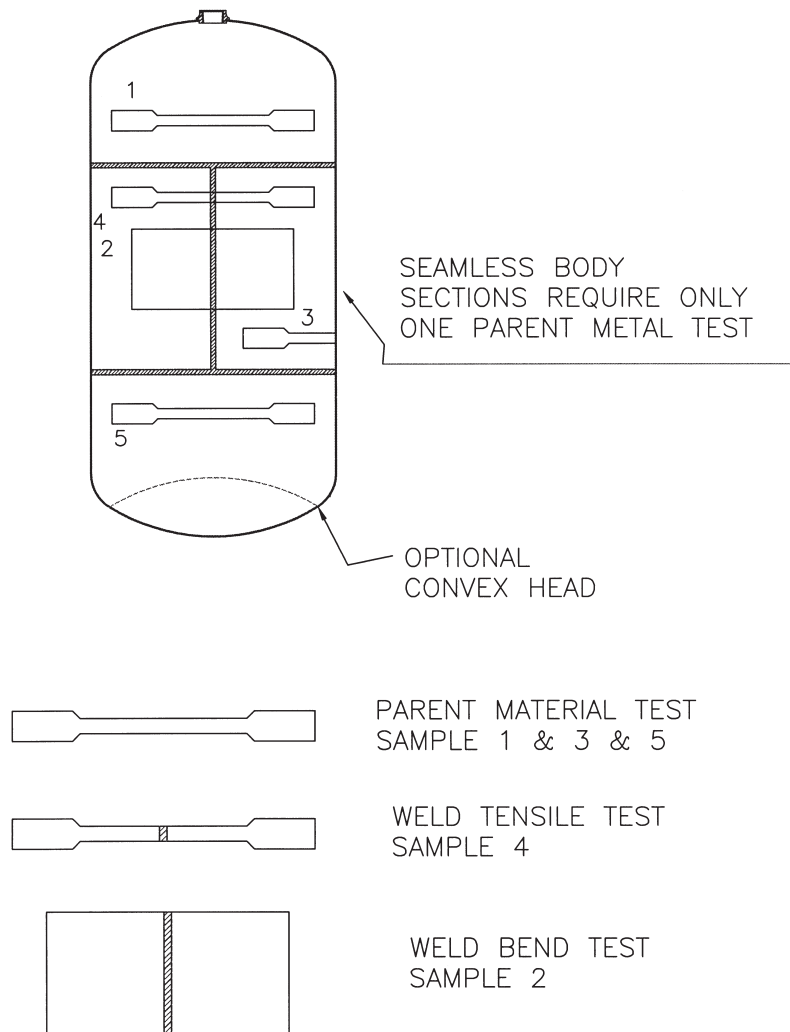
Maximum permissible gross mass (MPGM) _____ kg

Unladen (tare) mass _____ kg

[71 FR 33892, June 12, 2006, as amended at 73 FR 4719, Jan. 28, 2008; 77 FR 60943, Oct. 5, 2012]

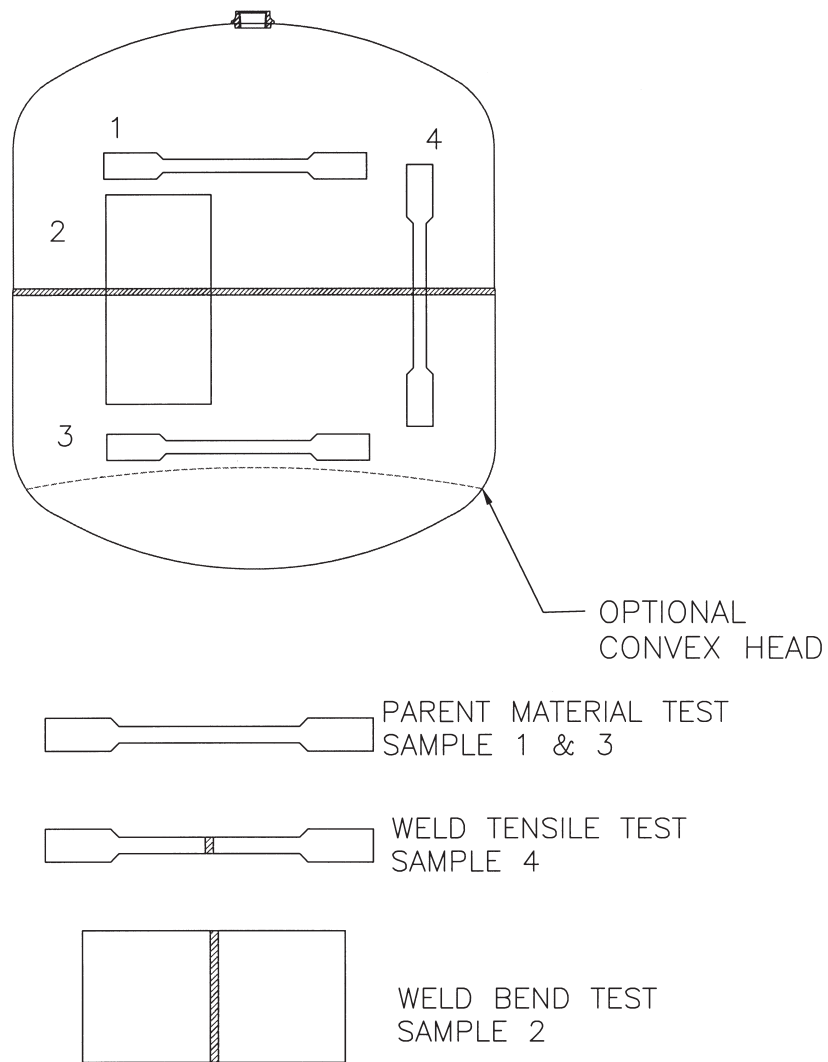
APPENDIX A TO SUBPART C OF PART 178—ILLUSTRATIONS: CYLINDER TENSILE SAMPLE

The following figures illustrate the recommended locations for test specimens taken from welded cylinders:



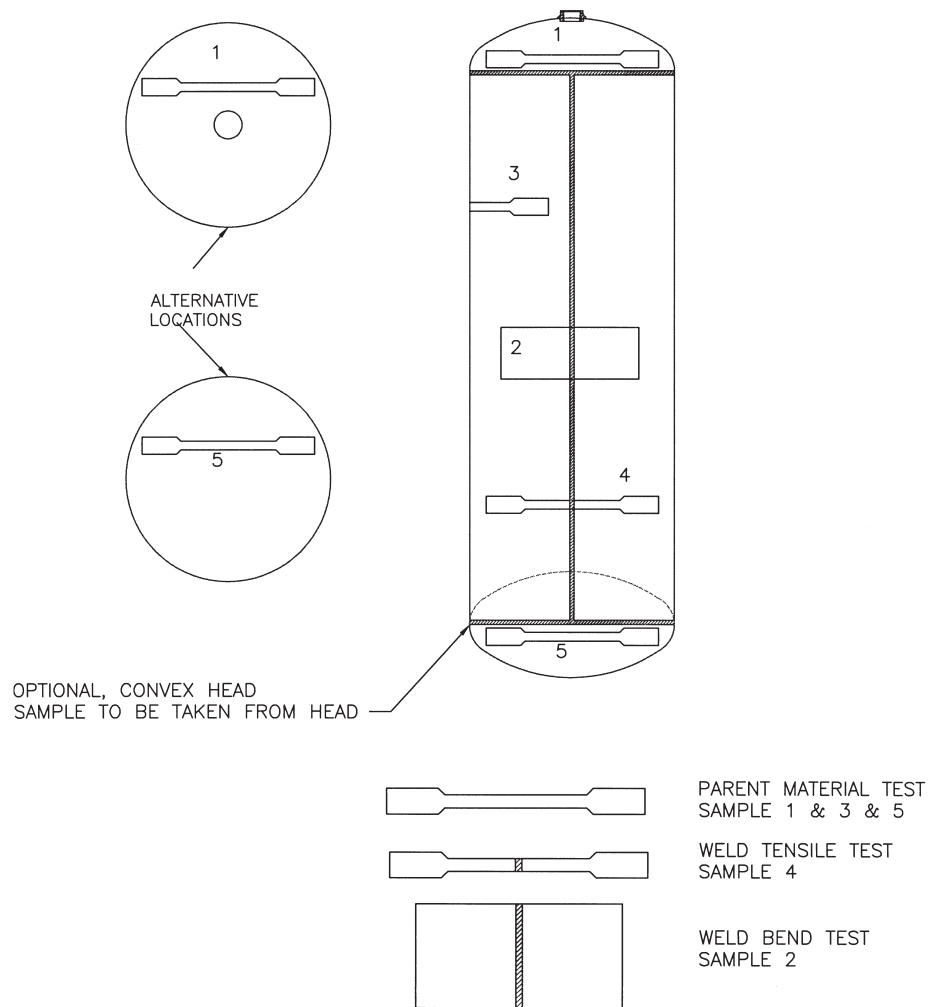
THIS FIGURE ILLUSTRATES THE PROPER TENSILE LOCATION FOR A 3 PIECE CYLINDER WITH THE HEADS HAVING STRAIGHT SIDEWALL.

FIGURE #1



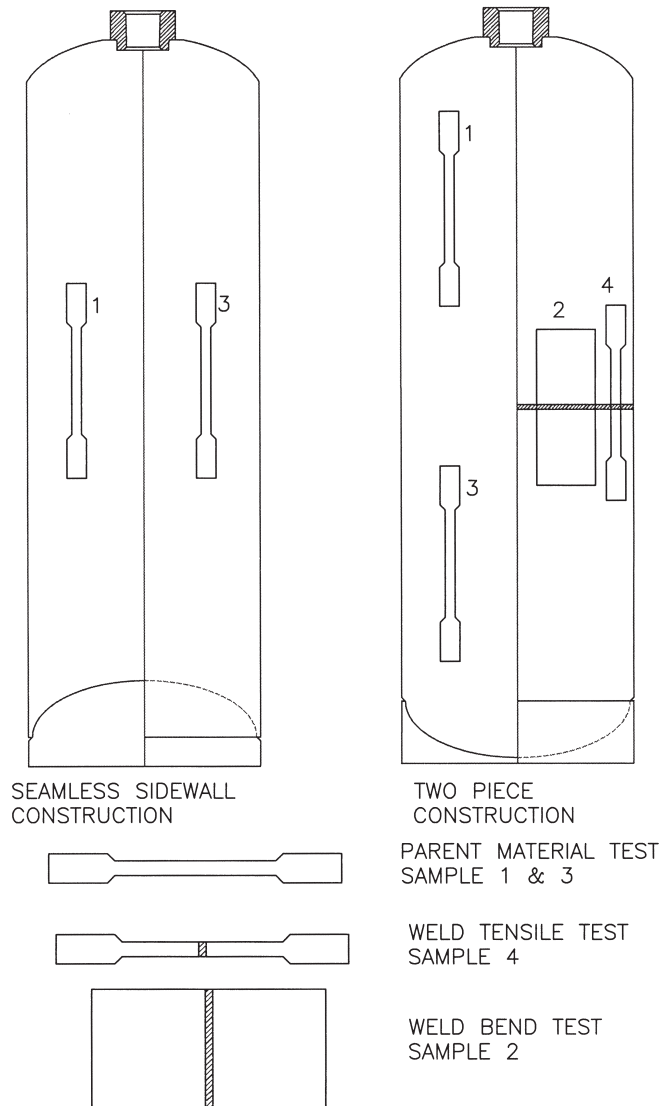
THIS FIGURE ILLUSTRATES THE PROPER TENSILE LOCATION FOR A 2 PIECE CYLINDER WITH THE HEADS HAVING STRAIGHT SIDEWALLS.

FIGURE #2



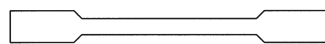
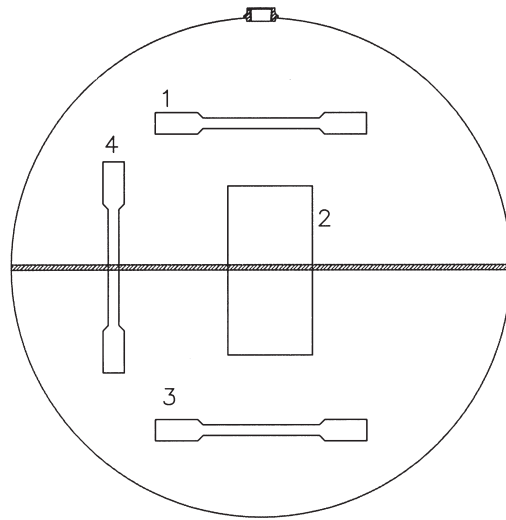
THIS FIGURE ILLUSTRATES THE PROPER TENSILE LOCATION FOR A 2 PIECE CYLINDER THAT HAVE DEEP DRAWN HEADS.

FIGURE #3

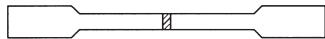


THIS FIGURE ILLUSTRATES THE PROPER TENSILE LOCATION FOR A 2 PIECE CYLINDER THAT HAVE DEEP DRAWN HEADS.

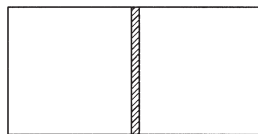
FIGURE #4



PARENT MATERIAL TEST
SAMPLE 1 & 3



WELD TENSILE TEST
SAMPLE 4



WELD BEND TEST
SAMPLE 2

THIS FIGURE ILLUSTRATES THE PROPER TENSILE
LOCATION FOR A 2 PIECE CYLINDER.

FIGURE #5

[67 FR 51654, Aug. 8, 2002]